

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|------------------|
| S1 | 1 | ("20050166447").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/16 09:35 |
| S2 | 15 | ((("6129773") or ("6348074") or ("4477258") or ("4451265") or ("6306184") or ("6190427") or ("6017369") or ("20010003881") or ("4395267") or ("4397655") or ("20020020106") or ("4227889") or ("5360460") or ("20020014033") or ("4242099")).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/08/17 07:57 |
| S3 | 128 | ((keith NEAR4 corkwell) OR (daniel NEAR4 daly) OR (mitchell NEAR4 jackson)).in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/16 09:41 |
| S4 | 3051 | lubrizol.as. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/16 09:41 |
| S5 | 1 | (S3 OR S4) AND fuel AND diesel AND ethanol AND (surfactant OR (surface NEAR3 active NEAR3 agent) OR emulsifier) AND (hydrocarbylphenol OR (hydrocarbyl ADJ phenol) OR (hydro ADJ carbyl ADJ phenol) OR (hydro ADJ carbylphenol)) AND ((carboxylic OR polycarboxylic) NEAR4 alcohol NEAR4 amin\$3) AND (weight OR amount OR quantity) AND (hlb OR (hydrophilic NEAR3 lipophilic NEAR3 balance)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/16 09:49 |
| S6 | 1 | (S3 OR S4) AND fuel AND diesel AND ethanol AND (surfactant OR (surface NEAR3 active NEAR3 agent) OR emulsifier) AND ((hydrocarbylphenol OR (hydrocarbyl ADJ phenol) OR (hydro ADJ carbyl ADJ phenol) OR (hydro ADJ carbylphenol)) OR ((carboxylic OR polycarboxylic) NEAR4 alcohol NEAR4 amin\$3)) AND (hlb OR (hydrophilic NEAR3 lipophilic NEAR3 balance)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/16 09:48 |
| S7 | 4 | (S3 OR S4) AND fuel AND diesel AND ethanol AND (surfactant OR (surface NEAR3 active NEAR3 agent) OR emulsifier) AND ((hydrocarbylphenol OR (hydrocarbyl ADJ phenol) OR (hydro ADJ carbyl ADJ phenol) OR (hydro ADJ carbylphenol)) OR ((carboxylic OR polycarboxylic) NEAR4 alcohol NEAR4 amin\$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/16 09:48 |
| S8 | 1 | fuel AND diesel AND ethanol AND (surfactant OR (surface NEAR3 active NEAR3 agent) OR emulsifier) AND (hydrocarbylphenol OR (hydrocarbyl ADJ phenol) OR (hydro ADJ carbyl ADJ phenol) OR (hydro ADJ carbylphenol)) AND ((carboxylic OR polycarboxylic) NEAR4 alcohol NEAR4 amin\$3) AND (weight OR amount OR quantity) AND (hlb OR (hydrophilic NEAR3 lipophilic NEAR3 balance)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/16 09:50 |
| S9 | 7 | fuel AND diesel AND ethanol AND (surfactant OR (surface NEAR3 active NEAR3 agent) OR emulsifier) AND ((hydrocarbylphenol OR (hydrocarbyl ADJ phenol) OR (hydro ADJ carbyl ADJ phenol) OR (hydro ADJ carbylphenol)) OR ((carboxylic OR polycarboxylic) NEAR4 alcohol NEAR4 amin\$3)) AND (hlb OR (hydrophilic NEAR3 lipophilic NEAR3 balance)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/16 09:50 |
| S10 | 6 | S9 NOT S7 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/16 09:54 |

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| S11 | 99 | (44/415).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/16 10:28 |
| S12 | 1 | fuel AND diesel AND (ethanol OR (ethyl NEAR2 alcohol)) AND ((dodecylphenol OR (dodecyl ADJ phenol)) NEAR6 formaldehyde NEAR6 (diethanolamine OR (diethanol ADJ amine) OR (di ADJ ethanol ADJ amine) OR (diethanol ADJ amine))) AND (((alkenylsuccinic OR (alkenyl ADJ succinic)) ADJ anhydride) NEAR6 (amino ADJ alcohol)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/16 10:32 |
| S13 | 1 | diesel AND (ethanol OR (ethyl NEAR2 alcohol)) AND ((dodecylphenol OR (dodecyl ADJ phenol)) NEAR6 formaldehyde NEAR6 (diethanolamine OR (diethanol ADJ amine) OR (di ADJ ethanol ADJ amine) OR (diethanol ADJ amine))) AND (((alkenylsuccinic OR (alkenyl ADJ succinic)) ADJ anhydride) NEAR6 (amino ADJ alcohol)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/16 12:49 |
| S14 | 1 | fuel AND (ethanol OR (ethyl NEAR2 alcohol)) AND ((dodecylphenol OR (dodecyl ADJ phenol)) NEAR6 formaldehyde NEAR6 (diethanolamine OR (diethanol ADJ amine) OR (di ADJ ethanol ADJ amine) OR (diethanol ADJ amine))) AND (((alkenylsuccinic OR (alkenyl ADJ succinic)) ADJ anhydride) NEAR6 (amino ADJ alcohol)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/16 12:49 |
| S15 | 0 | fuel AND (ethanol OR (ethyl NEAR2 alcohol)) AND ((mannich NEAR3 base) OR (aldehyde WITH amine WITH alkylphenol)) AND (acetal OR ketal OR orthoester) AND (succinic NEAR3 anhydride NEAR5 amino NEAR5 alcohol) AND (hlb OR (hydrophilic NEAR3 lipophilic NEAR3 balance)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/16 12:54 |
| S16 | 0 | fuel AND (ethanol OR (ethyl NEAR2 alcohol)) AND ((mannich NEAR3 base) OR (aldehyde WITH amine WITH alkylphenol)) AND (succinic NEAR3 anhydride WITH amino WITH alcohol) AND (hlb OR (hydrophilic NEAR3 lipophilic NEAR3 balance)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/16 12:54 |
| S17 | 1 | fuel AND (ethanol OR (ethyl NEAR2 alcohol)) AND ((mannich NEAR3 base) OR (aldehyde WITH amine WITH alkylphenol)) AND (succinic NEAR3 anhydride WITH amino WITH alcohol) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/16 13:09 |
| S18 | 1631 | (44/331,384,385,412,413,414,447,451).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/16 13:08 |
| S19 | 0 | S18 AND (ethanol OR (ethyl NEAR2 alcohol)) AND ((mannich NEAR3 base) OR (aldehyde WITH amine WITH alkylphenol)) AND (succinic NEAR3 anhydride WITH amino WITH alcohol) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/17 10:25 |
| S20 | 3 | S18 AND (ethanol OR (ethyl NEAR2 alcohol)) AND ((mannich NEAR3 base) OR (aldehyde WITH amine WITH alkylphenol)) AND (succinic NEAR3 anhydride WITH alcohol) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/16 13:09 |
| S21 | 1 | ("6913630").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/08/17 07:57 |

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| S22 | 335 | ((ethanol OR (ethyl NEAR2 alcohol)) SAME anhydrous SAME water) AND diesel AND ((ethanol OR (ethyl NEAR2 alcohol)) SAME (quantity OR amount OR weight OR concentration OR ppm)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/17 10:27 |
| S23 | 2 | ((ethanol OR (ethyl NEAR2 alcohol)) SAME anhydrous SAME water) AND diesel AND ((ethanol OR (ethyl NEAR2 alcohol)) SAME (quantity OR amount OR weight OR concentration OR ppm)) AND (aromatic NEAR3 hydrocarbon NEAR7 volume) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/17 10:29 |
| S24 | 9 | ((ethanol OR (ethyl NEAR2 alcohol)) SAME anhydrous SAME water) AND diesel AND ((ethanol OR (ethyl NEAR2 alcohol)) SAME (quantity OR amount OR weight OR concentration OR ppm)) AND ((aromatic NEAR3 hydrocarbon) WITH (volume OR vol)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/17 11:22 |
| S25 | 7 | S24 NOT S23 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/17 10:30 |
| S27 | 2 | ((middle ADJ distillate) SAME (fischer NEAR3 tropsch) SAME biodiesel SAME diesel) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/17 11:26 |
| S28 | 19 | ((middle ADJ distillate) AND (fischer NEAR3 tropsch) AND biodiesel AND diesel) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/17 11:29 |
| S29 | 17 | S28 NOT S27 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/17 11:26 |
| S30 | 40 | (fischer NEAR3 tropsch) AND biodiesel AND diesel | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/17 11:29 |
| S31 | 21 | S30 NOT S28 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/17 11:29 |
| S32 | 74 | ((aromatic NEAR3 hydrocarbon NEAR5 content) WITH (volume OR vol)) AND diesel | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/17 11:45 |
| S33 | 0 | ((aromatic NEAR3 hydrocarbon NEAR5 content) WITH (volume OR vol)) SAME HLB) AND diesel | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/17 11:41 |

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| S34 | 1 | (aromatic NEAR3 hydrocarbon NEAR5 content) SAME HLB | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/17 11:45 |
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